

*Sub A17*  
**Claims:**

1. Apparatus for establishing a connection between a server system and a wireless device, comprising:

infrastructure of a Public Switched Telephone Network (PSTN), and a cellular wireless communication network;

means for connecting a server system to said infrastructure;

said infrastructure comprising Home Location Register means for storing tabular data describing characteristics of said wireless cellular device;

said tabular data accessed via a mobile identification number;

wherein, on a call originated by said server system, said server system provides information for identifying said mobile identification number;

wherein, said server system provides information for deriving a call type of said call.

2. The apparatus of Claim 1, wherein a plurality of wireless cellular devices can be associated with a single directory number.

3. The apparatus of Claim 2, wherein said single directory number is a directory number of said server system.

4. The apparatus of Claim 3, wherein all wireless cellular devices served by a server system are associated with a common directory number.
5. The apparatus of Claim 1, wherein said mobile identification number is an international mobile switching identifier (IMSI).
6. The apparatus of Claim 1, wherein the information provided by said server system comprises a terminating directory number plus an originating directory number.
7. The apparatus of Claim 6, wherein said terminating directory number is a directory number for a plurality of wireless devices in a single household.
8. The apparatus of Claim 1, wherein the information provided by said server system comprises a terminating directory number and a call type.
9. The apparatus of Claim 1, wherein the information provided by said server system comprises an international mobile switching identifier (IMSI).
10. The apparatus of Claim 1, wherein said home location register (HLR) means is adapted to be responsive to a location request message comprising an international mobile switching identifier (IMSI) number as a search parameter.
11. The apparatus of Claim 1, wherein an integrated services digital network (ISDN) facility connects said server system to said infrastructure.
12. A method of establishing a connection between a server system and a wireless device

comprising the steps of:

connecting said server system to a Public Switched Telephone Network (PSTN) and a cellular wireless communication network;

storing tabular data describing characteristics of said wireless cellular device in home location register means of said cellular wireless communication network;

accessing said tabular data via a mobile identification number;

when accessing said wireless device from said server system, said server system providing information for identifying said mobile identification number;

said server system providing information for deriving a call type of said call.

13. The method of Claim 12, further comprising the step of associating a plurality of wireless cellular devices with a single directory number.

14. The method of Claim 13, wherein said single directory number is a directory number of said server system.

15. The method of Claim 14, wherein all wireless cellular devices served by said server system are associated with a common directory number.

16. The method of Claim 12, wherein said mobile identification number is an international mobile switching identifier (IMSI).
17. The method of Claim 12, wherein the information provided by said server system comprises a terminating directory number plus an originating directory number.
18. The method of Claim 17, wherein said terminating directory number is a directory number for a plurality of wireless devices in a single household.
19. The method of Claim 12, wherein the information provided by said server system comprises a terminating directory number and a call type.
20. The method of Claim 12, wherein the information provided by said server system comprises an international mobile switching identifier (IMSI).
21. The method of Claim 12, wherein said home location register means is adapted to be responsive to a location request message comprising an international mobile switching identifier (IMSI) number as a search parameter.
22. The method of Claim 12, wherein an integrated services digital network (ISDN) facility connects said server system to said infrastructure.